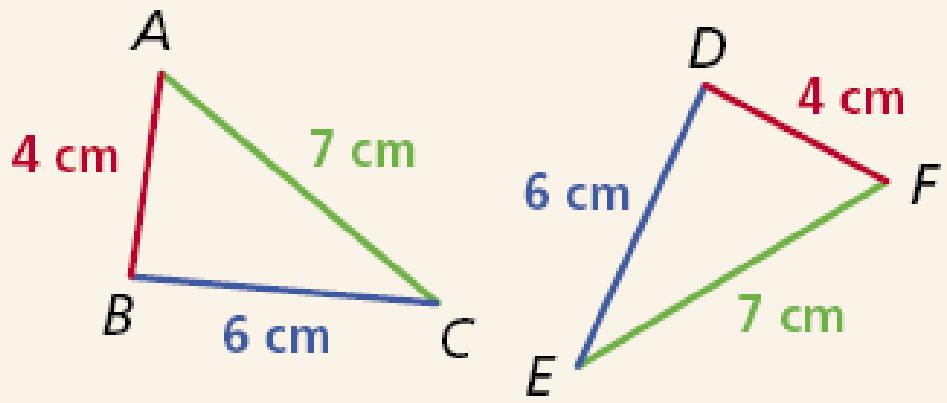
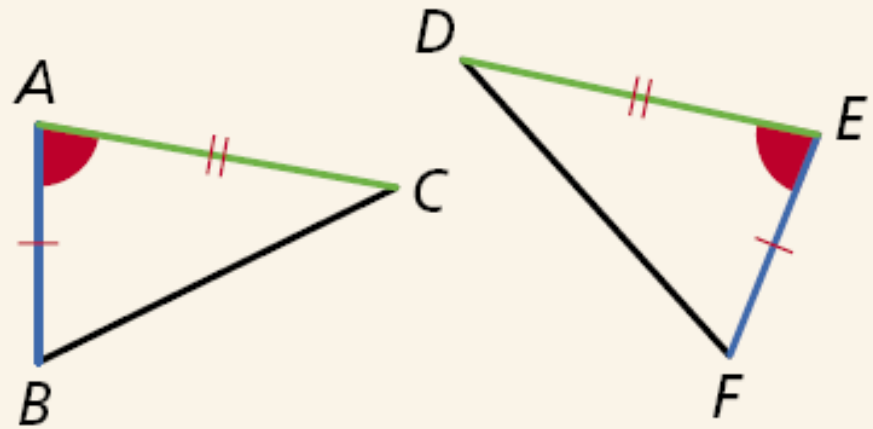
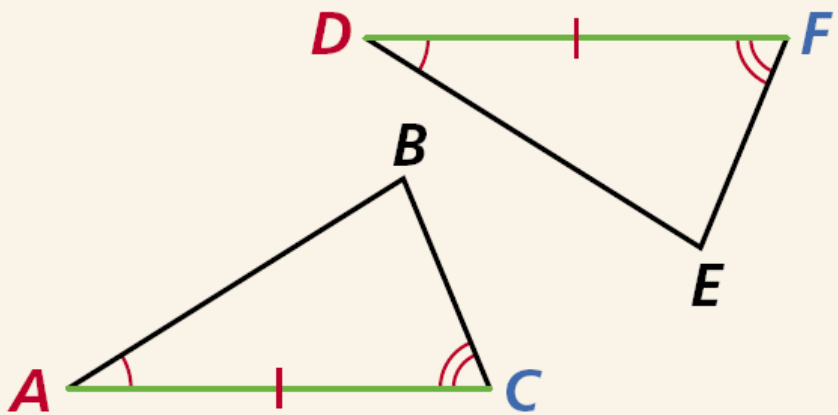
Postulate 4-4-1 Side-Side-Side (SSS) Congruence

POSTULATE	HYPOTHESIS	CONCLUSION
If three sides of one triangle are congruent to three sides of another triangle, then the triangles are congruent.		$\triangle ABC \cong \triangle FDE$

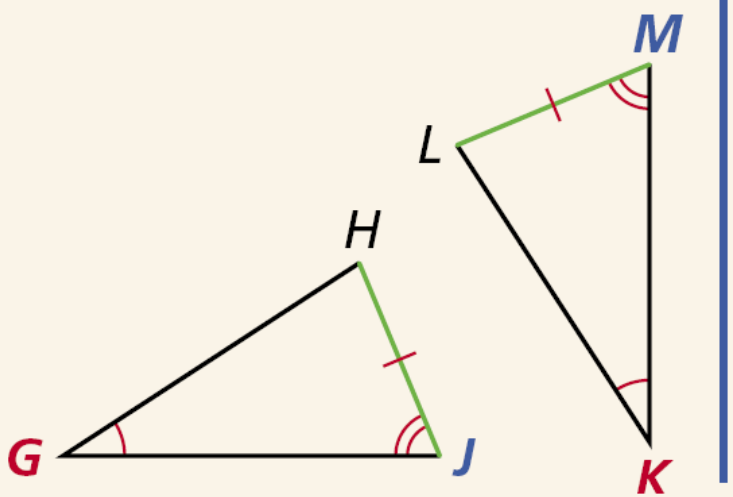
Postulate 4-4-2 Side-Angle-Side (SAS) Congruence

POSTULATE	HYPOTHESIS	CONCLUSION
If two sides and the included angle of one triangle are congruent to two sides and the included angle of another triangle, then the triangles are congruent.		$\triangle ABC \cong \triangle EFD$

Postulate 4-5-1 Angle-Side-Angle (ASA) Congruence

POSTULATE	HYPOTHESIS	CONCLUSION
If two angles and the included side of one triangle are congruent to two angles and the included side of another triangle, then the triangles are congruent.		$\triangle ABC \cong \triangle DEF$

Theorem 4-5-2 Angle-Angle-Side (AAS) Congruence

THEOREM	HYPOTHESIS	CONCLUSION
If two angles and a nonincluded side of one triangle are congruent to the corresponding angles and nonincluded side of another triangle, then the triangles are congruent.		$\triangle GHJ \cong \triangle KLM$